

Amendment and Response

Applicant: David C. Collins et al.

Serial No.: 10/821,135

Filed: April 8, 2004

Docket No.: 200400517-1/H301.381.101

Title: GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES

IN THE SPECIFICATION

Please replace the paragraph on page 1, line 11 to page 2, line 13 with the following paragraph.

This application is related to U.S. Patent Application Serial No. 10/213,555, filed on August 7, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/242,195, filed on September 11, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/242,545, filed on September 11, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/631,681, filed July 31, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/632,042, filed July 31, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/672,845, filed September 26, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/672,544, filed September 26, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/697,605, filed October 30, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES ON A DIAMOND GRID; U.S. Patent Application Serial No. 10/696,888, filed October 30, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES ON DIFFERENT TYPES OF GRIDS; U.S. Patent Application Serial No. 10/697,830, filed October 30, 2003, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/750,591, filed December 31, 2003, entitled DISPLAYING SPATIALLY OFFSET SUB-FRAMES WITH A DISPLAY DEVICE HAVING A SET OF DEFECTIVE DISPLAY PIXELS; U.S. Patent Application Serial No. 10/768,621, filed January 30, 2004, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/768,215, filed January 30, 2004, entitled DISPLAYING SUB-FRAMES AT SPATIALLY OFFSET POSITIONS

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ON A CIRCLE; U.S. Patent Application Serial No. 10/821,130,
~~Docket No. 200400519-4~~, filed on the same date as the present application, entitled
GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; and U.S.
Patent Application Serial No. 10/820,952, ~~Docket No.~~
~~200400670-4~~, filed on the same date as the present application, entitled
GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES. Each of
the above U.S. Patent Applications is assigned to the assignee of the present
invention, and is hereby incorporated by reference herein.

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Please replace the paragraph on page 36, lines 7-23 with the following paragraph.

When the four sub-frames 1412A, 1422A, 1432A, and 1442A are displayed, nine sub-frame pixels combine to form the displayed representation of each pixel from the original high resolution image 28. For example, nine sub-frame pixels—pixel 1414 from sub-frame 1412A, pixels 1424 and 1426 from sub-frame 1422A, pixels 1434 and 1436 from sub-frame 1432A, and pixels 1444, 1446, 1448, and 1450 from sub-frame 1442A combine to form the displayed representation of pixel 1404 from the original high resolution image 28. These nine sub-frame pixels, however, contribute different amounts of light to the displayed representation of pixel 1404. In particular, pixels 1424, 1426, 1434, and 1436 from sub-frames 1422A and 1432A, respectively, each contribute approximately one-half as much light as pixel 1414 from sub-frame 1412A as illustrated by only a portion of pixels 1424, 1426, 1434, and 1436 overlapping pixel 1404 in Figures 19C and 19D. Similarly, pixels 1444, 1446, 1448, and 1450 from sub-frame 1442A each contribute approximately one-fourth as much light as pixel 1414 from sub-frame 1412A as illustrated by only a portion of pixels 1444, 1446, 1448, and 1450 overlapping pixel 1404 in ~~Figures 19C and 19D~~Figure 19E.